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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,098	09/18/2003	Bruce Holmer	MEDIAQ-015	2250

7590 01/29/2007  
Bruce Holmer  
2012 Bishop Road  
Belmont, CA 94002

EXAMINER
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ELAMIN, ABDELMONIEM I

ART UNIT	PAPER NUMBER
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2116

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/29/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/667,098

Applicant(s)

HOLMER, BRUCE

Examiner

Abdelmoniem Elamin

Art Unit

2116

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 and 57-73 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,57-64 and 67-71 is/are rejected.
- 7) ☒ Claim(s) 3-14, 65-66, 72-73 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-2, 57-64, 67-71, are rejected under 35 U.S.C. 102(e) as being anticipated by Aihara et al, US. Pat. No. 6,678,834.

3. Claims 1, 57, 67, Aihara teaches data processing pipeline [*title, abstract*] comprising:

a first circuit, for classifying a received data set [*see for example col. 5, lines 46+*], wherein the first circuit is operable to select a process mode for processing the received data set to reduce power consumption without significantly sacrificing quality and performance [*by lowering the frequency of a video clock, see abstract*], and wherein the process mode is selected based upon a classification of the received data set [*abstract, col. 5, lines 46+*]; and

a second circuit coupled to the first circuit, wherein the second circuit is operable to process data received from the first circuit, and wherein processing is performed in accordance with the process mode selected by the first circuit [*abstract, see also Figs. 2, 6 and related disclosure*].

4. Claims 2, Aihara teaches a first data processing circuit, the first data processing circuit processing data having a first classification in a low precision processing mode; and a second data processing circuit, the second data processing circuit processing data having a second

classification in a high precision processing mode [*see steps 120-130 of Fig. 1 and related discussion*].

5. Claims 58, 68, Aihara teaches classifying a primitive into a classification based on its size and other characteristics [*col. 6, line 63 thru col. 7, line 5*].

6. Claims 59, 69, Aihara teaches the primitive is classified as small and well-behaved, large, or misbehaved [*col. 6, lines 63+*].

7. Claim 60, Aihara teaches classification criteria for the other characteristics include texture, width, and depth [*col. 6, lines 63+*].

8. Claims 61, 70-71, Aihara teaches a low precision processing mode is used for a primitive classified as small and well-behaved and a high precision processing mode is used for a primitive classified as large or misbehaved [*col. 5, line 65+*].

9. Claim 62, Aihara teaches receiving input information from a user; and selecting a desired precision operating mode based on the input information [*col. 5, lines 45-55*].

10. Claim 63, Aihara teaches the desired precision mode selected by the user overrides the precision mode selected by the primitive classification step [*col. 5, lines 45-55*].

11. Claim 64, Aihara teaches determining a power level needed to ensure continuing operation of a portable hand-held device until a conclusion of an actively running application; and selecting an appropriate precision operating mode based on the power level determined [*col. 3, lines 15-38*].

***Allowable Subject Matter***

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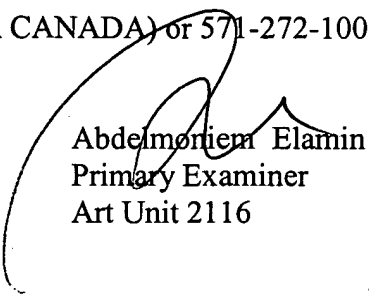
12. Claims 3-14, 65-66, 72-73 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdelmoniem Elamin whose telephone number is 571-2727-3674. The examiner can normally be reached on MON - THUR 10:00 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Prveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Abdelmoniem Elamin  
Primary Examiner  
Art Unit 2116

January 22, 2007